



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

## TECHNICAL FIELD VISIT

**DATE:** 07/29/97

**TIME:** 11:30 am to 1:30 pm

**MINE:** Crandall Canyon Mine

**FILE:** ACT/015/032, Folder #25

**STAFF:** Daron Haddock & Mike Suflita *MS*

**OTHERS:** None

### Purpose

Inspect the construction of the 72 inch culvert and expansion of the minesite for conformance to the approved plan.

### Observations

The 18 inch perforated under drain below the 72 inch culvert was completely installed. The filter fabric was in place over the required sloped areas and stream bed and surrounded the gravel around the under drain. The 72 inch culvert was about half installed. Topsoil had not yet been salvaged from the stream bench area. The canyon had been partially cleared of trees in preparation for the anticipated portals. Road access to the stream bed was as described in the approved plan. Longwall machines were being unloaded and taken into the mine as we were there.

Silt fences were installed at the upstream end and at seven locations below the lower (downstream) end of the construction. The plan only requires two. Stream flow was clear immediately below the construction site. However, about 200 feet below there, the stream became noticeably murky due to silt entering the stream from a water flow below the sediment pond. This flow came from a blue six-inch pipe that discharged from the top of the sed pond

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embankment. The flow was mine discharge and is a permitted NPDES discharge point. The pipe appeared to have just begun to discharging water since there was very little erosion depth. The water was running between the large boulders and was washing fine soil material into the stream.

Immediately after completing the inspection we called Gary Gray, the Registered Agent, to inform him of the silt being generated by the pipe discharge. He immediately came to the minesite to arrange for installation of additional pipe to convey the water to the stream without erosion. That would make it like the original installation before the pipe was moved. A phone call the next day confirmed pipe installation had been completed the afternoon of the day we told them about it. Two rolls of pictures were taken to document the conditions found during the inspection.

#### **Recommendations/Conclusions**

From all appearances, the installation is being done according to the approved plan. No action need be taken based on this inspection. The Operator immediately corrected a minor, but potentially damaging, erosion problem with the pipe discharge. Therefore, no violation was issued.

**Signature:** Michael Suflita on August 7, 1997  
Michael Suflita, Reclamation Hydrologist

cc: Steve Demczak, DOGM  
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